

East Chicago Sanitary District

# 2018 Annual Report

## **EAST CHICAGO SANITARY DISTRICT 2018 ANNUAL REPORT**

### **Contents**

Cover Letter.....	Page 1
GENERAL REVIEW OF 2018.....	Pages 2-7
<b>IDEM Required Documents</b>	
Attachment I - Inspection and Discharge Permit Information 2018	
Attachment II - Monitoring 2018	
Attachment III - Pretreatment Performance Summary 2018	
Attachment IV - Compliance and Enforcement Information 2018	
Attachment V – Compliance Monitoring and Inspection Work Plan 2019	
Attachment VI - Summary of Detected Analytes in Organic Scan 2018	

## EAST CHICAGO SANITARY DISTRICT 2018 ANNUAL REPORT

The status regarding Industrial Discharge Permits maintained by the East Chicago Sanitary District (District) for 2018 is as follows.

### **Permitted Industrial Users**

The District has 23 Industrial Users (IUs) permitted to discharge into the City of East Chicago sewer system. This includes five Categorical IUs (CIUs) [Electric Coating Technologies (#312), TAC East, Inc. (#415), National Processing (#514), Lakeshore Railcar LLC (#521) and Safety-Kleen Systems (#901)]. Along with the five CIUs, three additional IUs [W. R. Grace (#401), US Steel Corporation (#936) and US Gypsum (#951)] are classified as Significant IUs (SIUs). One permit, Kemira Water Systems (#702), was terminated in 2017 in accordance with their request, as they no longer have any industrial discharges to the sewer system. One other IU, Central States Marketing #421 discontinued its operations as of September 1, 2018.

In 2018, prior to the issuance of revised permits to all IUs, the District renewed two permits including Electric Coatings Technologies #312 and Safety-Kleen Systems #901.

Each of the permitted IUs was informed on November 15, 2018 that their permits were to be amended to include new local limits that were adopted by Ordinance by the City of East Chicago. In 2017, the District prepared a local limit study for modification and/or elimination of its local discharge limits and submitted it for review and approval by USEPA and IDEM. The District provided public notice of the proposed changes, addressed all comments that were received, and resubmitted the final local limit study and revised Sewer User Ordinance (SUO) and Enforcement Response Plan (ERP) to USEPA for final approval. The local limit study and proposed local limit changes were approved by USEPA in a letter dated July 3, 2018, with final approval contingent upon the City of East Chicago's adoption of the local limits into its Ordinances.

On November 13, 2018, the Common Council of the City of East Chicago (Council) approved by resolution Ordinance 18-0017 - An Ordinance to Amend and Restate the City of East Chicago Sewer User Ordinances and Regulations. The Ordinance was adopted to comply with the requirements of the Administrative Consent Order between the United States Environmental Protection Agency (USEPA) and the East Chicago Sanitary District (District) [Docket No. V-W-15-AO-01]. The Ordinance was executed by Mayor Anthony Copeland on November 14, 2018, the effective date of the Ordinance.

The Sewer User Ordinance included new local limits that are presented in table below. With respect to the

new local pre-treatment limits, the list of local limit parameters appearing in Section 13.13.3.02.3 of Ordinance 07-0007 has been shortened from 20 parameters to 15. Five parameters eliminated from the local limit list are chromium (total), silver, thallium, residual chlorine, and fluoranthene. Of the 15 remaining parameters, the local limits for 12 have been raised in value (which has the effect of facilitating compliance), and three (mercury, zinc, total and bis (2-ethyl-hexyl) phthalate) remain unchanged. The local limit of most interest, available cyanide, was raised from 0.003 mg/L to 0.019 mg/L. Each of the IUs was informed that the new local limits were effective immediately.

<b>Local Limit Pollutant</b>	<b>2007 Ordinance No. 06-007 Local Limits (Former Limits) (mg/L)</b>	<b>2018 Ordinance No. 18-0017 Newly Adopted Local Limits (mg/L)</b>
Ammonia	77	134
Arsenic	0.5	1.31
Bis (2-ethylhexyl) phthalate	1.03	1.03
Cadmium	0.14	No limit
Chlorine (Residual)	0.4	No limit
Chromium	0.282	7.0
Copper	0.17	0.88
Cyanide (Available)	0.003	0.019
Fluoranthene	0.69	No limit
Fluoride	2.9	30
Lead	0.224	2.28
Mercury	0.0002	0.0002
Molybdenum	0.2	2.8
Nickel	0.39	0.80
Oil & Grease	50	117
Phenols (4-AAP)	0.7	0.96
Phosphorous	5.5	31
Silver	0.05	No limit
Thallium	4.3	No limit
Zinc	5.5	5.5

The District issued new modified permits incorporating the newly adopted local limits to each of the IUs in January 2019.

Attachment I summarizes the dates of the inspections, SPCC plan requirements and permit expiration dates.

The District inspected 15 of the permitted outfalls. Five closed permitted facilities were not inspected; Exxon Mobil (#121), CMA Recycling (#423), Kemira Water Solutions (#702) Indiana Radiator (#731) and ArcelorMittal IN Harbor West (#933), as there were no active operations at either facility. No inspection was completed at Central States Marketing #421 as they ceased operations in September 2018 and were no longer going to discharge to the City's sewer. Other facilities not inspected include Buckeye Terminals (#124), USS Lead Refinery (#411), ICO Polymers (#518), Tradebe Treatment & Recycling (#561), Arcelor Mittal (#611, #931, #934 and #935) and US Steel Corp (#936).

### **Inspections and Monitoring**

Attachment II summarizes the compliance monitoring events, industrial self-monitoring events and inspections completed at the 15 permitted outfalls. There were 269 separate compliance monitoring events performed by the District. A total of 81 monitoring events completed were at the five Categorical Industrial Users (CIUs): Electric Coating Technologies #312 (12), TAC East, Inc. #415 (12), National Processing #514 (12), Lakeshore Railcar LLC #521 (24) and Safety-Kleen Systems #901 (21). A total of 26 self-monitoring events were performed by each of the five CIUs as well as USS Lead #411 and Arcelor Mittal #936. Only one compliance monitoring event was performed at GATX #112 as this facility was not in operation for the majority of the year and only had one monthly reported discharge in the 2018 calendar year. Sampling was performed only once at Buckeye Pipeline #124 as their discharge is performed on an as-needed basis. No sampling was performed Tradebe #561 as this facility did not have any industrial discharges during the 2018 calendar year.

### **Enforcement Actions & Compliance Status**

The District issued written Notices of Violations (NOVs) and fines to 12 different IUs for 57 violations as noted in the table below. All of the NOVs issued with respect to exceedances of the local limit for residual chlorine did not include any fine as the residual chlorine concentration of the municipal water supply to the facility was found to have an elevated residual chlorine concentration and was determined that it likely contributed to the observed exceedance.

The number of violations and the analytical parameter of concern for each IU are summarized below.

**East Chicago Sanitary District**  
**Compliance Status Report**  
**Report Date Range: 1/1/2018 - 12/31/2018**

Variable	Variable	Violations	Limit Description	Limit
52192	312 Available Cyanide {mg/L}	1	Daily Maximum Limit	>=0.004
57191	415 Amen. Cyanide {mg/L}	4	Daily Maximum Limit	>0.004
57421	415 Total Copper (Cu) {mg/L}	1	Daily Maximum Limit	>0.17
58191	421 Amen. Cyanide {mg/L}	1	Daily Maximum Limit	>=0.004
58199	421 Cl2 Residual {mg/L}	2	Daily Maximum Limit	>0.4
60171	514 Phenol {mg/L}	1	Daily Maximum Limit	>0.7
60199	514 Cl2 Residual {mg/L}	1	Daily Maximum Limit	>0.4
61191	518 Amen. Cyanide {mg/L}	1	Daily Maximum Limit	>=0.004
61199	518 Cl2 Residual {mg/L}	3	Daily Maximum Limit	>0.4
62161	521 FOG {mg/L}	1	Daily Maximum Limit	>36
62191	521 Amen. Cyanide {mg/L}	7	Daily Maximum Limit	>=0.004
62199	521 Cl2 Residual {mg/L}	2	Daily Maximum Limit	>0.4
63191	531 Amen. Cyanide {mg/L}	2	Daily Maximum Limit	>=0.004
64191	541 Amen. Cyanide {mg/L}	1	Daily Maximum Limit	>=0.004
66031	611 Field pH {su}	1	Daily Maximum Limit	>10
66199	611 Cl2 Residual {mg/L}	1	Daily Maximum Limit	>0.4
70151	901 Ammonia NH3N {mg/L}	1	Daily Maximum Limit	>77
70191	901 Amen. Cyanide {mg/L}	17	Daily Maximum Limit	>=0.004
70199	901 Cl2 Residual {mg/L}	3	Daily Maximum Limit	>0.4
70461	901 Total Mercury (Hg) {mg/L}	2	Daily Maximum Limit	>0.00029
76141	951 Total Phosphorus {mg/L}	1	Daily Maximum Limit	>5.5
76191	951 Amen. Cyanide {mg/L}	2	Daily Maximum Limit	>=0.004
77611	411 Bis (2-ethylhexyl) phthalate {mg/L}	1	Daily Maximum Limit	>1.03

**Total 57**

The characterization of the compliance status of each IU is provided in Attachment III. Several IUs experienced repeated violations but demonstrate they had achieved compliance with their permitted discharge requirements with follow-up sampling. Two IUs that experienced chronic violations included Safety-Kleen Systems (#901) and Lakeshore Railcar Service (#521). Because of their historical record of repeat and chronic violations, both Safety Kleen and Lakeshore Railcar are typically monitored on a twice a month basis. Safety-Kleen Systems was identified as having chronic violations with respect to cyanide discharges on 17 separate occasions. Lakeshore Railcar exceeded the cyanide local limit on seven occasions. These two facilities accounted for over half of the CN violations observed in 2018. The 24 cyanide violations recorded for Safety-Kleen #901 and Lakeshore Railcar #521 accounted for 66% (24 of 36 total CN violations) of all 2018 violations. Residual chlorine was the second leading violation (20). All other analytes were exceeded less than three times during the year.

The number of cyanide and residual chlorine violations are biased high for a number of reasons. First, with respect to cyanide, the local limit that was developed in 2007 was improperly calculated and resulted in an extremely low discharge value of 0.003 mg/L. As noted previously, the local limit study and proposed local limit changes were approved by USEPA in a letter dated July 3, 2018, with the incorporation of the revised local limits in a City Ordinance on November 13, 2018. The raising of the local CN limit from 0.003 mg/L to 0.019 will significantly reduce the number of reported CN violations going forward. In addition, because of the more

frequent sampling of the chronic violations for CN, the number of exceedances is higher.

Attachment IV summarizes the NOV's issued as well as the fines assessed to each IU. As summarized in the attachment, \$74,500 in fines was levied for the 2018 violations. With the exception of fines associated with the CN violations by Safety-Kleen Systems all assessed fines were paid. Safety-Kleen Systems has paid all non-CN related fines. Safety-Kleen Systems has been appealing the fines for CN violations pending a resolution of the development of a new local limit and/or developing a new site-specific discharge limit for ECSD's POTW NPDES permit.

Attachment V provides the proposed Compliance Monitoring and Inspection Work Plan for 2019. It is anticipated that the District will complete 262 compliance monitoring events based upon completing a monthly sampling event at each of the IUs except for those with low or periodic discharges (GATX #112, Buckeye Terminals #124, and USS Lead #411. Additionally, the District will conduct at least a full site inspection of each IU, as a minimum.

Attachment VI provides a summary of the Organic Scan for the POTW.

The POTW discharge violations for 2018 are summarized in the table below.

East Chicago Sanitary District Compliance Status Report Report Date Range: 1/1/2018 - 12/31/2018				
Index	Variable	Exceedances	Limit Description	Limit
108	EFF FECAL COL (COL/100m)	0	Daily Maximum Limit	>235
108	EFF FECAL COL (COL/100m)	0	Monthly Maximum Limit	>125
109	EFFLUENT pH (SU)	0	Daily Minimum Limit, pH	<6
109	EFFLUENT pH (SU)	0	Daily Maximum Limit, pH	>9
114	EFFLUENT TSS (mg/l)	1	Monthly Maximum Limit	>8.5
114	EFFLUENT TSS (mg/l)	1	Weekly Average Maximum Limit	>12.8
116	EFFLUENT T-PHOS (mg/l)	0	Monthly Maximum Limit	>1
120	EFFLUENT O & G (mg/l)	0	Daily Maximum Limit	>10
121	EFFLUENT D.O. (mg/l)	0	Daily Minimum Limit, DO winter	<6
124	EFFLUENT CBOD5 (mg/l)	0	Weekly Average Maximum Limit, winter	>10.7
128	EFFLUENT CN- (mg/l)	0	Daily Maximum Limit	>0.0085
128	EFFLUENT CN- (mg/l)	0	Monthly Maximum Limit	>0.0043
150	EFF MERCURY, TOTAL RECOVERABLE (ppb)	0	Monthly Average Maximum Limit	=0.000013
150	EFF MERCURY, TOTAL RECOVERABLE (ppb)	0	Daily Maximum Limit	=0.000032
151	EFF MERCURY, TOTAL RECOVERABLE, LBS/DAY (LBS/DA)	0	Daily Maximum Limit	=0.00004
151	EFF MERCURY, TOTAL RECOVERABLE, LBS/DAY (LBS/DA)	0	Monthly Average Maximum Limit	=0.00016
312	EFFLUENT CBOD WEEKLY AVERAGE LBS/DAY - Summer (l)	0	Weekly Maximum Loading Limit - Summer	=1689.9
313	EFFLUENT CBOD WKLY AVG mg/L - Summer (mg/l)	0	Weekly Maximum Limit - Summer	=7.5
Total		2		

Only two NPDES discharge violations were reported at the WWTP. The TSS daily maximum and weekly average were exceeded on one occasion each. No other discharge violations were noted.

## Attachment I - Inspection and Permit Information 2018

User	Outfall	Permit Expiration	SPPC Plan Required	CIU/SIU	Inspection Date	SIC Code
GATX CORPORATION	112	10/2/2021	N		8/21/2018	
EXXON MOBIL OIL COMPANY	121	closed	N			2190
BUCKEYE TERMINALS, LLC	124	6/14/2019	N			4613
ELECTRIC COATING TECHN.	312	7/14/2023	Y	CIU/SIU	12/27/2018	3313
W.R. GRACE- CONN	401	8/31/2021	Y	SIU	12/21/2018	2819
USS LEAD REFINERY, INC.	411	10/10/2022	N			3341
TAC EAST, INC	415	10/3/2022	Y	CIU/SIU	12/26/2018	7699
CENTRAL STATES MARKETING	421	closed 9/1/18	N			511
CMA RECYCLING	423	closed	N			3341
GREEN LAKE TUBE LLC	511	8/8/2021	Y		12/27/2018	3317
NATIONAL PROCESSING	514	8/8/2021	Y	CIU/SIU	12/27/2018	3312
ICO POLYMERS N.A. INC. (IPNA)	518	6/6/2022	Y			3089, 3087
LAKESHORE RAILCAR & TANKCAR SERVICES (formerly known as UNITED TRANSPORTATION GROUP)	521	5/30/2023	Y	CIU/SIU	12/28/2018	4785
PRAXAIR, INC., PRODUCTION	531	11/22/2021	Y		12/28/2018	2813
PRAXAIR, INC., RARE GASES	541	7/31/2021	Y		7/8/2018	2813
TRADEBE TREATMENT & RECYC	561	6/30/2020	Y			4953
ARCELORMITTAL IN HARBOR EAST	611	1/2/2022	Y			3312
KEMIRA WATER SOLUTIONS	702	closed	Y			2819
INDIANA RADIATOR	731	closed	N			7539
ARCELORMITTAL IN HARBOR EAST	804	1/2/2022	Y		11/4/2018	3312
ARCELORMITTAL IN HARBOR EAST LONG CARB	805	1/2/2022	Y		11/4/2018	3312
SAFETY-KLEEN SYSTEMS	901	8/21/2023	Y	CIU/SIU	12/26/2018	2992
ARCELORMITTAL IN HARBOR WEST	931	6/6/2022	Y			3312
ARCELORMITTAL IN HARBOR WEST	933	closed	N			3312
ARCELORMITTAL IN HARBOR WEST	934	6/6/2022	Y			3312
ARCELORMITTAL IN HARBOR WEST	935	6/6/2022	Y			3312
UNITED STATES STEEL CORP.	936	11/21/2021	Y	SIU		3312
PRAXAIR, INC., HYDROGEN PLANT	941	6/21/2020	Y		12/21/2018	2813
UNITED STATES GYPSUM CO.	951	11/21/2021	Y	SIU	12/20/2018	3275



## Attachment II - Monitoring 2018

User	Outfall	Compliance Monitoring Events	Industrial Self- Monitoring events	Number of Inspections
GATX CORPORATION	112	1		1
EXXON MOBIL OIL COMPANY	121	closed		
BUCKEYE TERMINALS, LLC	124	1		
ELECTRIC COATING TECHN.	312	12	2	1
W.R. GRACE- CONN	401	12		1
USS LEAD REFINERY, INC.	411	3	3	
TAC EAST, INC	415	12	2	1
CENTRAL STATES MARKETING	421	8		
CMA RECYCLING	423	closed		
GREEN LAKE TUBE LLC	511	12		1
NATIONAL PROCESSING	514	12	1	1
ICO POLYMERS N.A. INC. (IPNA)	518	12		
LAKESHORE RAILCAR & TANKCAR SERVICES (formerly known as UNITED TRANSPORTATION GROUP)	521	24	8	1
PRAXAIR, INC., PRODUCTION	531	12		1
PRAXAIR, INC., RARE GASES	541	12		1
TRADEBE TREATMENT & RECYC	561	0		
ARCELORMITTAL IN HARBOR EAST	611	12		1
KEMIRA WATER SOLUTIONS	702	closed		
INDIANA RADIATOR	731	closed		
ARCELORMITTAL IN HARBOR EAST	804	12		1
ARCELORMITTAL IN HAR EAST LONG CARBON	805	13		1
SAFETY-KLEEN SYSTEMS	901	21	2	1
ARCELORMITTAL IN HARBOR WEST	931	14		
ARCELORMITTAL IN HARBOR WEST	933	closed		
ARCELORMITTAL IN HARBOR WEST	934	10		
ARCELORMITTAL IN HARBOR WEST	935	12		
UNITED STATES STEEL CORP.	936	16	8	
PRAXAIR, INC., HYDROGEN PLANT	941	13		1
UNITED STATES GYPSUM CO.	951	13		1
	<b>Totals</b>	<b>269</b>	<b>26</b>	<b>15</b>

## Attachment III - Pretreatment Performance Summary 2018

User	Outfall	Always Compliant	Minor Non-Compliance	Significant Non-Compliance	Back In Compliance	On Compliance Schedule
GATX CORPORATION	112	X				
BUCKEYE TERMINALS, LLC	124	X				
ELECTRIC COATING TECHN.	312		X		X	
W.R. GRACE- CONN	401	X				
USS LEAD REFINERY, INC.	411		X		X	
TAC EAST, INC	415		X		X	
CENTRAL STATES MARKETING	421		X		X	
GREEN LAKE TUBE LLC	511	X				
NATIONAL PROCESSING	514		X		X	
ICO POLYMERS N.A. INC. (IPNA)	518		X		X	
LAKESHORE RAILCAR & TANKCAR SERVICES (formerly known as UNITED TRANSPORTATION GROUP)	521			X	X	
PRAXAIR, INC., PRODUCTION	531		X		X	
PRAXAIR, INC., RARE GASES	541		X		X	
TRADEBE TREATMENT & RECYC	561	X				
ARCELORMITTAL IN HARBOR EAST	611		X		X	
ARCELORMITTAL IN HARBOR EAST	804	X				
ARCELORMITTAL IN HAR EAST LONG CARBON	805	X				
SAFETY-KLEEN SYSTEMS	901			X		X
ARCELORMITTAL IN HARBOR WEST	931	X				
ARCELORMITTAL IN HARBOR WEST	934	X				
ARCELORMITTAL IN HARBOR WEST	935	X				
UNITED STATES STEEL CORP.	936	X				
PRAXAIR, INC., HYDROGEN PLANT	941	X				
UNITED STATES GYPSUM CO.	951		X		X	

## Attachment IV -Compliance and Enforcement Information 2018

Sample Date	Outfall	Parameter(s)	Reported Concentration	Fine Amount
7/11/2018	312	CN	0.0041	\$2,000
8/24/2018	411	bis (2EH)	1.4	\$1,000
1/17/2018	415	CN	0.005	\$1,000
1/17/2018	415	CN	0.005	\$1,000
3/13/2018	415	CN	0.007	\$1,000
4/25/2018	415	CN	0.009	\$1,000
9/6/2018	415	Cu	0.27	\$1,000
6/6/2018	421	CN	0.004	\$1,000
7/25/2018	421	Res Cl2	0.94	No Fine
8/1/2018	421	Res Cl2	0.74	No Fine
3/13/2018	514	Res Cl2	0.69	No Fine
5/10/2018	514	Phenol	1.5	\$1,000
1/30/2018	518	Res Cl2	0.8	No Fine
2/21/2018	518	Res Cl2	0.46	No Fine
3/7/2018	518	Res Cl2	1	No Fine
6/14/2018	518	CN	0.005	\$1,000
1/11/2018	521	CN	0.006	\$1,000
1/24/2018	521	CN	0.005	\$1,000
2/15/2018	521	CN	0.026	\$1,000
2/27/2018	521	CN	0.005	\$1,000
3/8/2018	521	CN	0.005	\$1,000
6/27/2018	521	CN	0.037	\$1,000
7/18/2018	521	Res Cl2	2.2	\$1,000
8/15/2018	521	Res Cl2	0.88	No Fine
12/19/2018	521	O & G	43.1	\$1,000
12/19/2018	521	CN	1.0	\$1,000
6/6/2018	531	CN	0.004	\$1,000
7/10/2018	531	CN	0.0073	\$1,000
7/10/2018	541	CN	0.006	\$1,000
3/21/2018	611	Res Cl2	0.44	No Fine
7/16/2018	611	pH	11.7	\$1,000
1/8/2018	901	CN	0.144	\$2,500
1/25/2018	901	CN	0.266	\$2,500
2/6/2018	901	CN	0.247	\$2,500
2/26/2018	901	CN	0.05	\$2,500
3/13/2018	901	CN	0.017	\$2,500
3/27/2018	901	CN	0.041	\$2,500
4/10/2018	901	CN	0.025	\$2,500
4/23/2018	901	Cl2 Res	1	No Fine
5/7/2018	901	CN	0.044	\$2,500
5/30/2018	901	CN	0.078	\$2,500
6/11/2018	901	CN	0.028	\$2,500
7/26/2018	901	Hg	0.003	\$2,500
7/26/2018	901	CN	0.024	\$2,500
7/26/2018	901	Res Cl2	0.67	No Fine
8/30/2018	901	CN	0.014	\$2,500
9/13/2018	901	CN	0.018	\$2,500
9/25/2018	901	Hg, CN, Res Cl	0.004, 0.016, 2.07	\$5,000
10/11/2018	901	CN	0.082	\$2,500
10/31/2018	901	CN	0.12	\$2,500
11/8/2018	901	CN	0.081	\$2,500
2/15/2018	951	CN	0.0054	\$1,000
7/12/2018	951	P, CN	6.84, 0.0056	\$2,000

\$74,500

**Attachment V - Compliance Monitoring and Inspection Work Plan 2019**

User	Outfall	Permit Expiration Date	Compliance Monitoring Events	Industrial Self-Monitoring Events	Number of Inspections	
GATX CORPORATION	112	10/2/2021	6		1	
BUCKEYE TERMINALS, LLC	124	6/14/2019	6		1	
ELECTRIC COATING TECHN.	312	7/14/2023	12	2	1	
W.R. GRACE- CONN	401	8/31/2021	12		1	
USS LEAD REFINERY, INC.	411	10/10/2022	4		1	
TAC EAST, INC	415	10/3/2022	12	2	1	
GREEN LAKE TUBE LLC	511	8/8/2021	12		1	
NATIONAL PROCESSING	514	8/8/2021	12	2	1	
ICO POLYMERS N.A. INC. (IPNA)	518	6/6/2022	12		1	
LAKESHORE RAILCAR & TANKCAR SERVICES (formerly known as UNITED TRANSPORTATION GROUP)	521	5/30/2023	18	2	1	
PRAXAIR, INC., PRODUCTION	531	11/22/2021	12		1	
PRAXAIR, INC., RARE GASES	541	7/31/2021	12		1	
TRADEBE TREATMENT & RECYC	561	6/30/2020	0		1	
ARCELORMITTAL IN HARBOR EAST	611	1/2/2022	12		1	
ARCELORMITTAL IN HARBOR EAST	804	1/2/2022	12		1	
ARCELORMITTAL IN HAR EAST LONG CARBON	805	1/2/2022	12		1	
SAFETY-KLEEN SYSTEMS	901	8/21/2023	24	2	1	
ARCELORMITTAL IN HARBOR WEST	931	6/6/2022	12		1	
ARCELORMITTAL IN HARBOR WEST	934	6/6/2022	12		1	
ARCELORMITTAL IN HARBOR WEST	935	6/6/2022	12		1	
UNITED STATES STEEL CORP.	936	11/14/2023	12		1	
PRAXAIR, INC., HYDROGEN PLANT	941	6/21/2020	12		1	
UNITED STATES GYPSUM CO.	951	11/21/2021	12		1	
			262	10	23	

**Attachment VI - Summary of Detected Analytes in Organic Scans East Chicago POTW 2018**

Analyte	Influent		Effluent		Sludge	
	Results	Units	Results	Units	Results	Units
Decachlorobiphenyl	650	mg/L	50	mg/L	85	mg/Kg dry
Tetrachloro-m-xylene	50	mg/L	100	mg/L	75	mg/Kg dry
1,2-Dichloroethane-D4	97	µg/L	99	µg/L	113	µg/L
1,4-Dichlorobenzene	0.0008	mg/L				
2-Butanone	0.0043	mg/L				
4-Bromofluorobenzene	99	µg/L	98.8	µg/L	74.7	µg/L
4-Methyl-2-pentanone	0.038	mg/L				
Acetone	0.044	mg/L	0.0025	mg/L		
Chloroform	0.0018	mg/L				
Dibromofluoromethane	95	µg/L	95.2	µg/L	103	µg/L
Methylene chloride	0.00055	mg/L			0.13	mg/Kg dry
Toluene	0.0012	mg/L				
Toluene-D8	105	µg/L	104	µg/L	110	µg/L
2,4,6-Tribromophenol	86.3	mg/L	77.9	mg/L	75.1	mg/Kg dry
2-Fluorobiphenyl	64.6	mg/L	57	mg/L	74.3	mg/Kg dry
2-Fluorophenol	35.4	mg/L	31.6	mg/L	58	mg/Kg dry
3/4-Methylphenol	0.0044	mg/L				
Benzoic acid	0.0064	mg/L				
Benzyl alcohol	0.004	mg/L				
Nitrobenzene-d5	63	mg/L	54.3	mg/L	64.6	mg/Kg dry
Phenol	0.002	mg/L				
Phenol-d5	27.5	mg/L	25.4	mg/L	71	mg/Kg dry
Terphenyl-d14	58.4	mg/L	73.4	mg/L	69.7	mg/Kg dry
Heptachlor epoxide					12	mg/Kg dry
Percent Solids					25	wt%